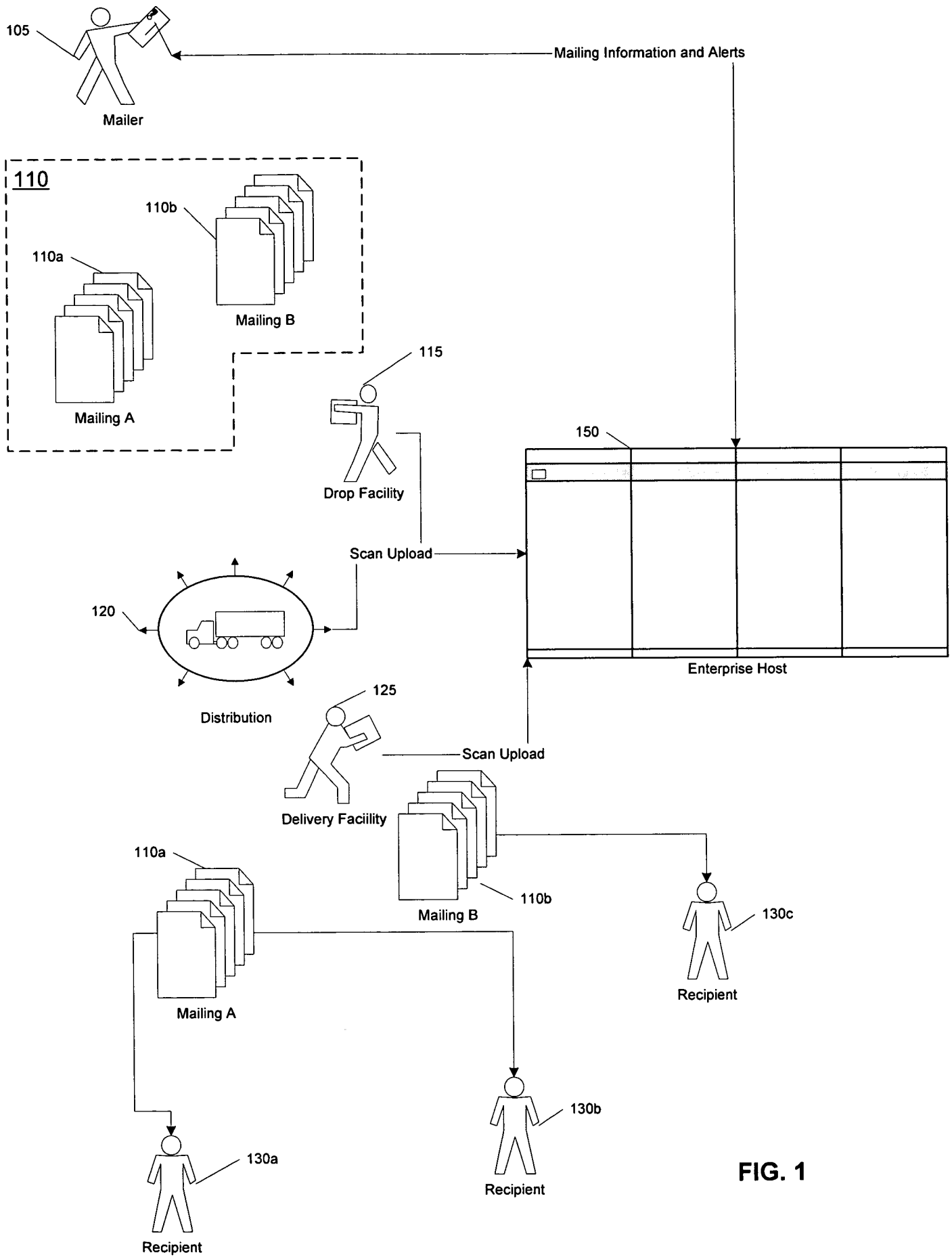
105
Mailer
Mailing Information and Alerts
110
110b
110a
Mailing B
Mailing A
115
Drop Facility
150
Scan Upload
120
Distribution
Enterprise Host
125
Scan Upload
Delivery Facility
110a
Mailing A
Mailing B
110b
130c
Recipient
130b
Recipient
130a
Recipient

FIG. 1

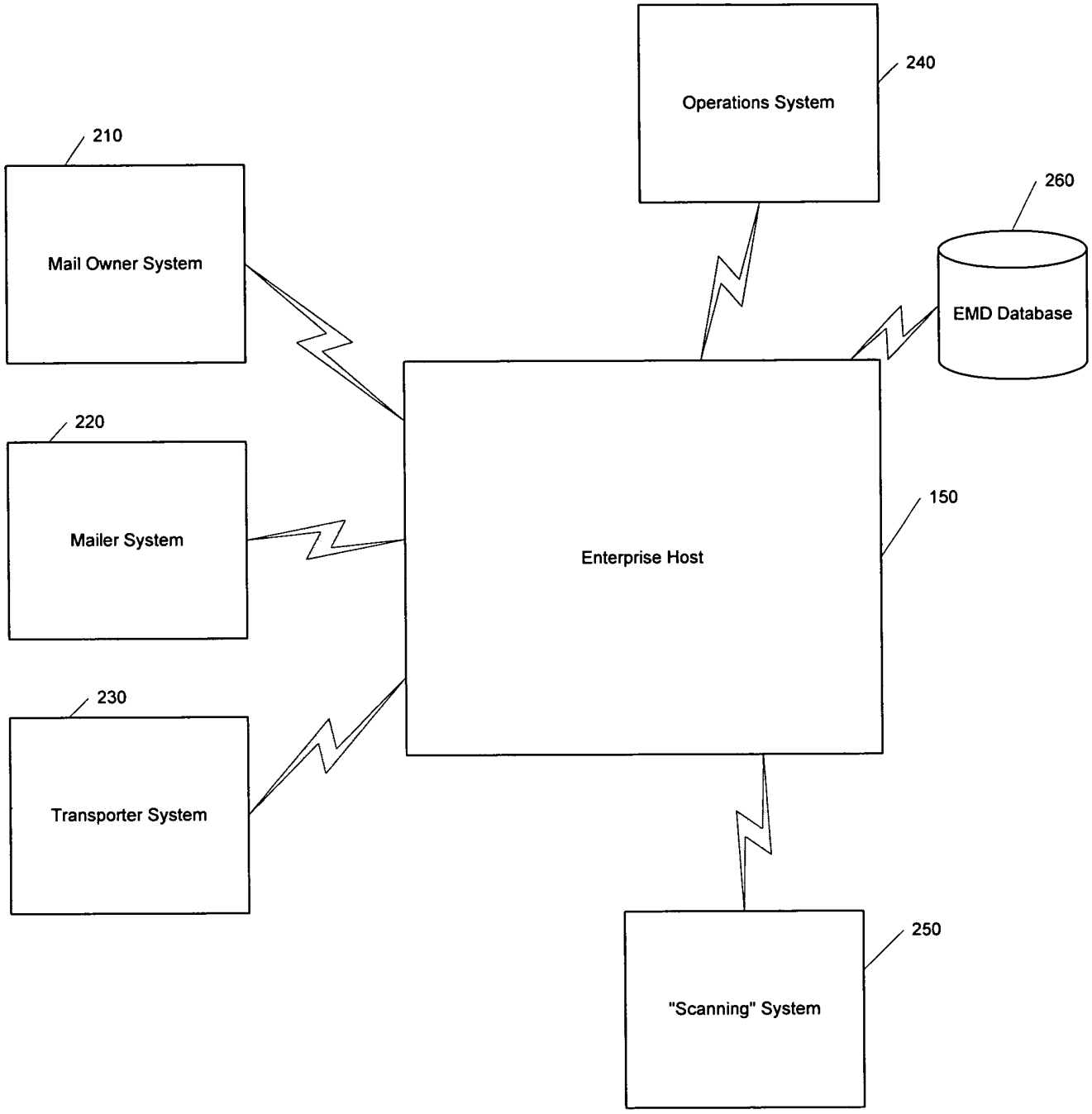
Operations System
240
210
Mail Owner System
260
EMD Database
220
Mailer System
Enterprise Host
150
230
Transporter System
"Scanning" System
250

FIG. 2

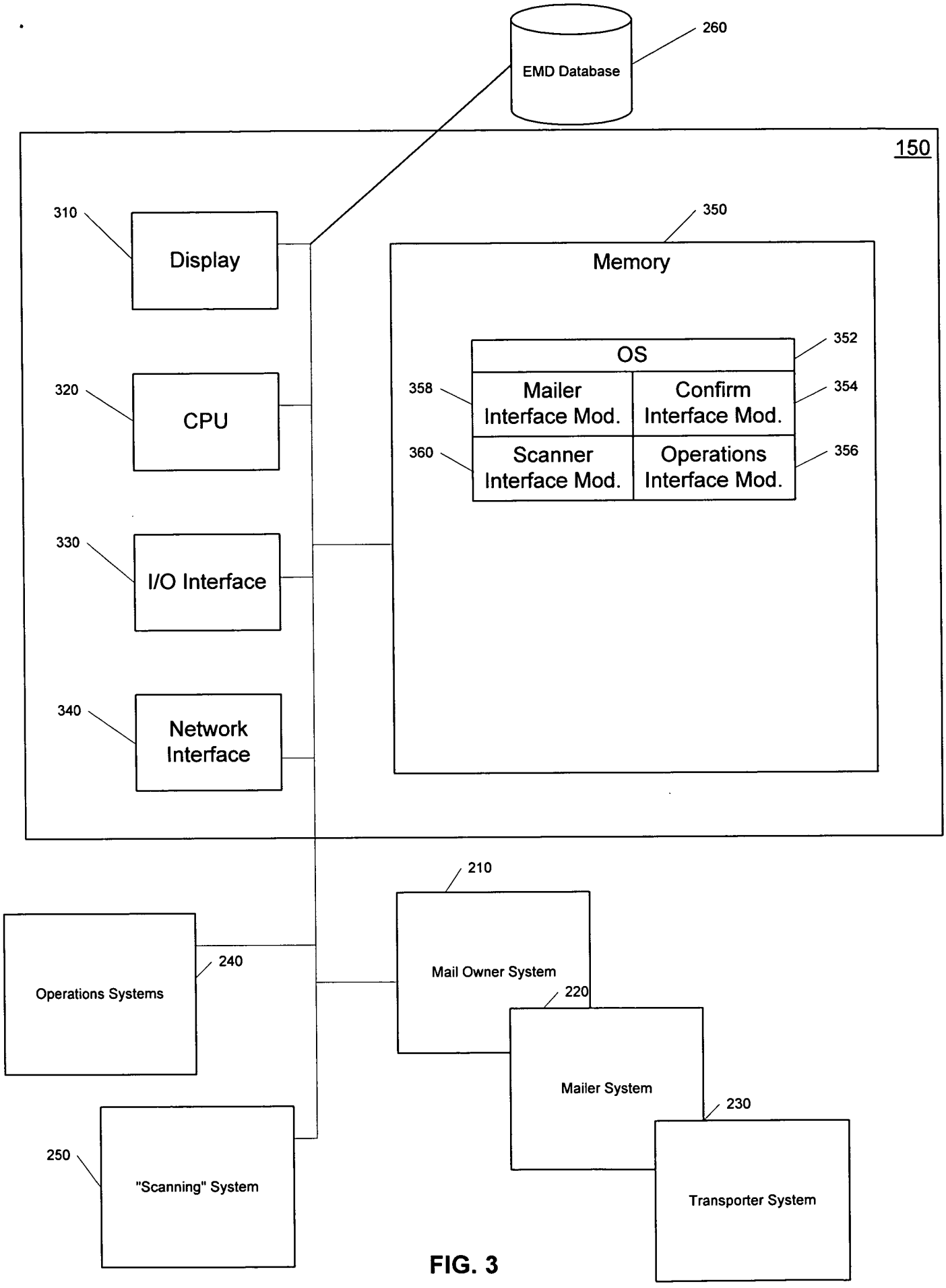
EMD Database
260
150
310
Display
350
Memory
OS
352
320
CPU
358
Mailer Interface Mod.
Confirm Interface Mod.
354
360
Scanner Interface Mod.
Operations Interface Mod.
356
330
I/O Interface
340
Network Interface
210
Operations Systems
240
Mail Owner System
220
Mailer System
230
250
"Scanning" System
Transporter System

FIG. 3

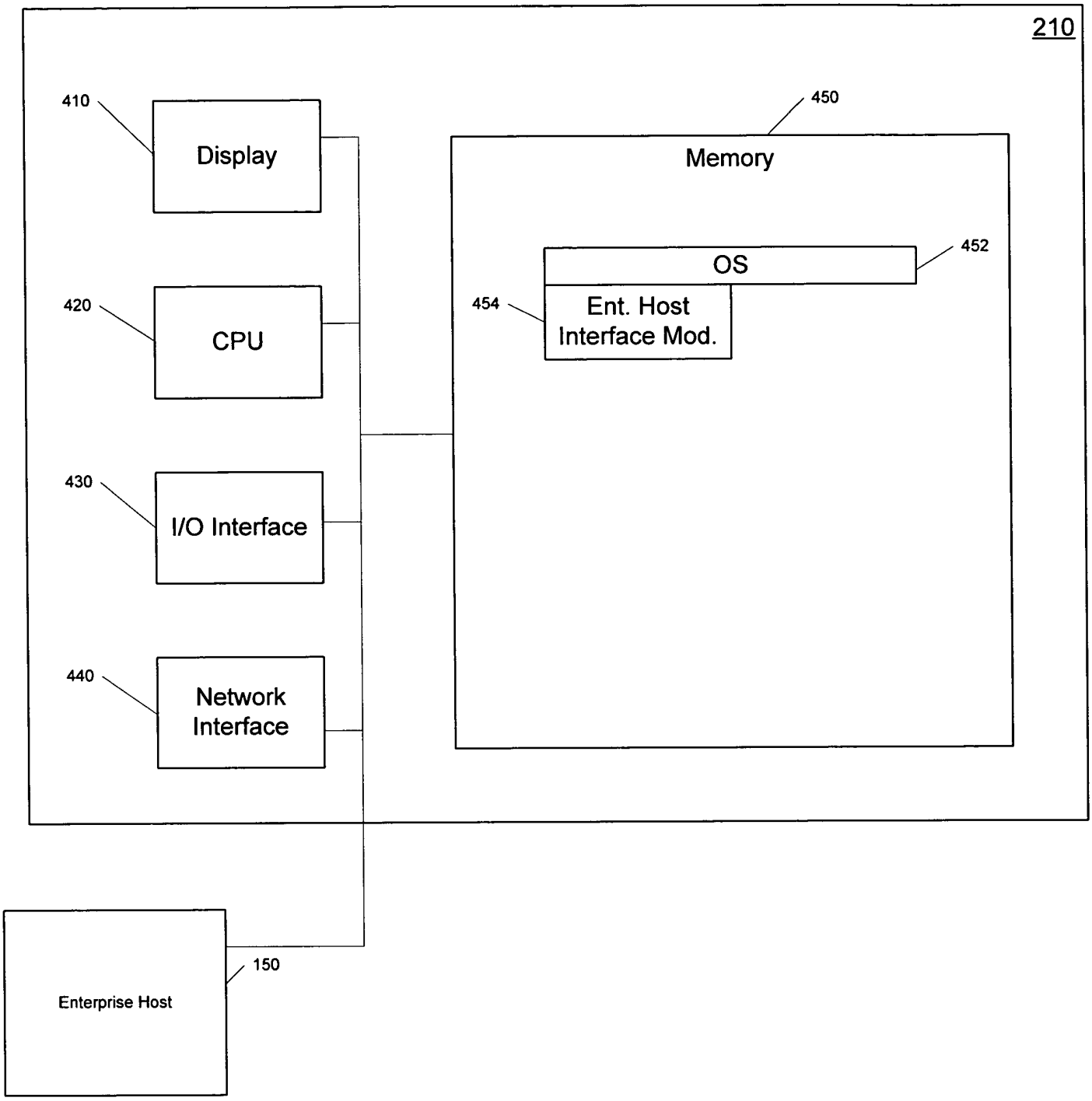
210
410
Display
450
Memory
OS
452
454
Ent. Host
Interface Mod.
420
CPU
430
I/O Interface
440
Network
Interface
150
Enterprise Host

FIG. 4

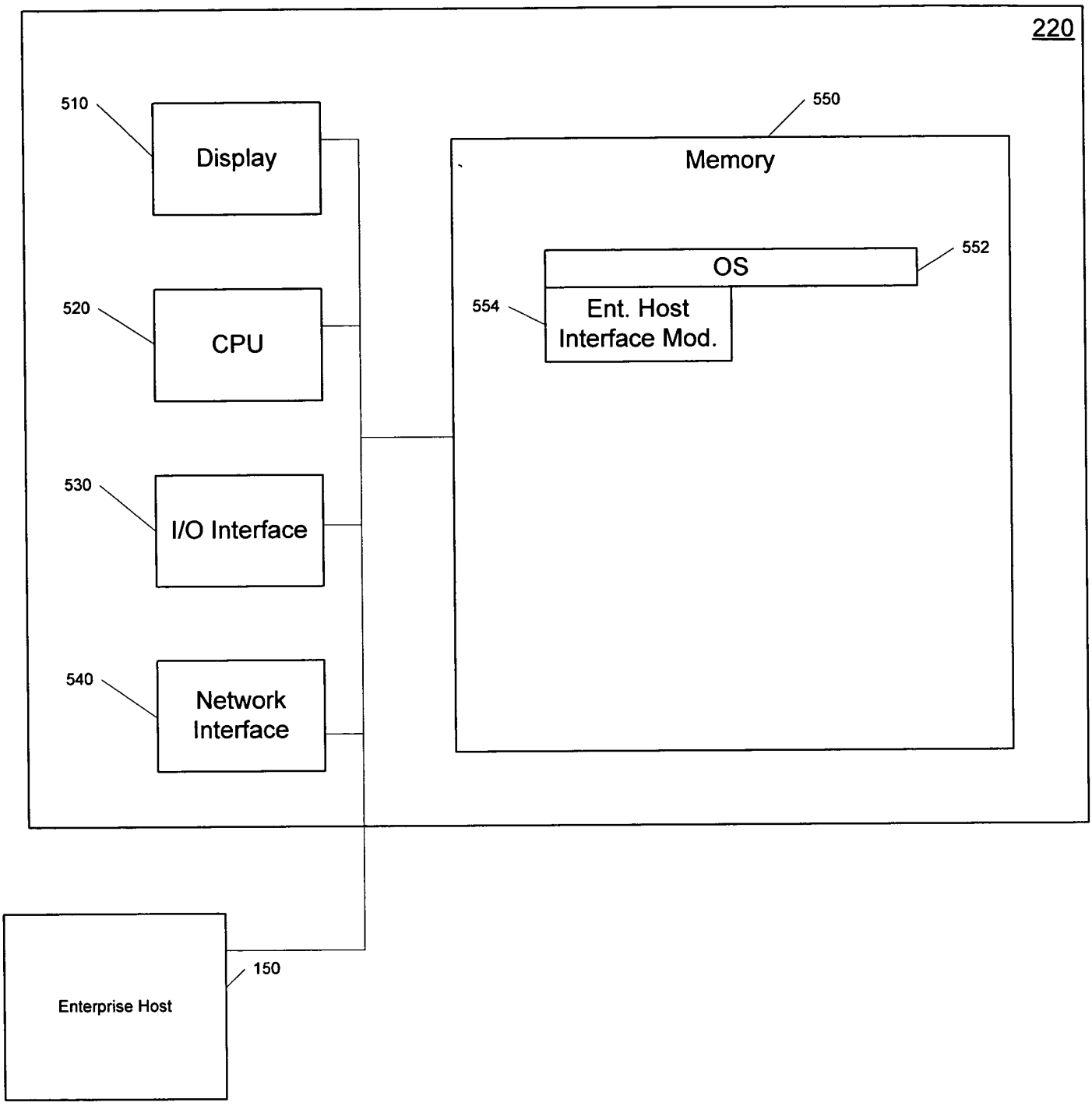
220
510
Display
550
Memory
OS
552
554
Ent. Host
Interface Mod.
520
CPU
530
I/O Interface
540
Network
Interface
150
Enterprise Host

FIG. 5

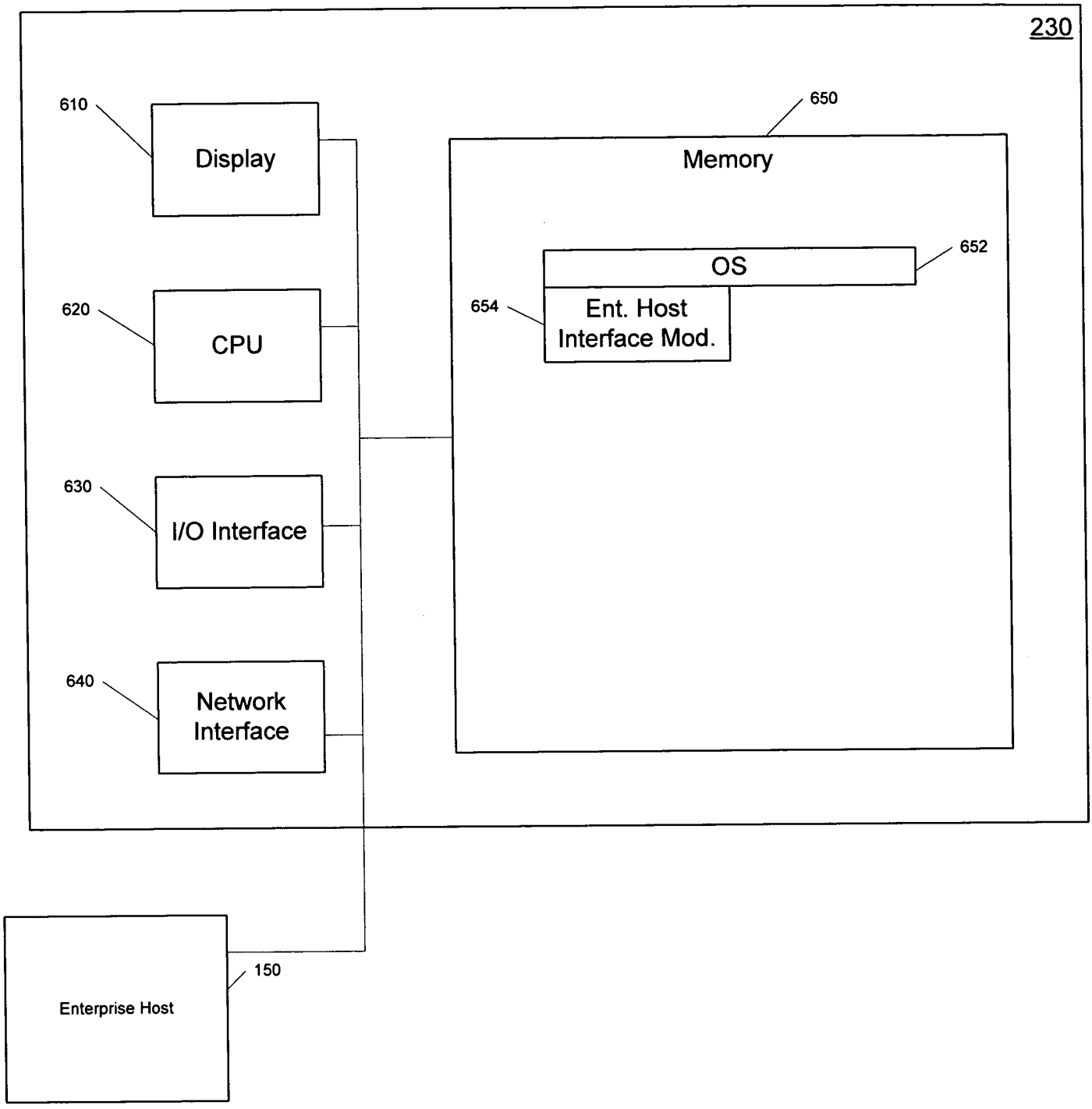
230
610
Display
650
Memory
OS
652
654
Ent. Host
Interface Mod.
620
CPU
630
I/O Interface
640
Network
Interface
150
Enterprise Host

FIG. 6

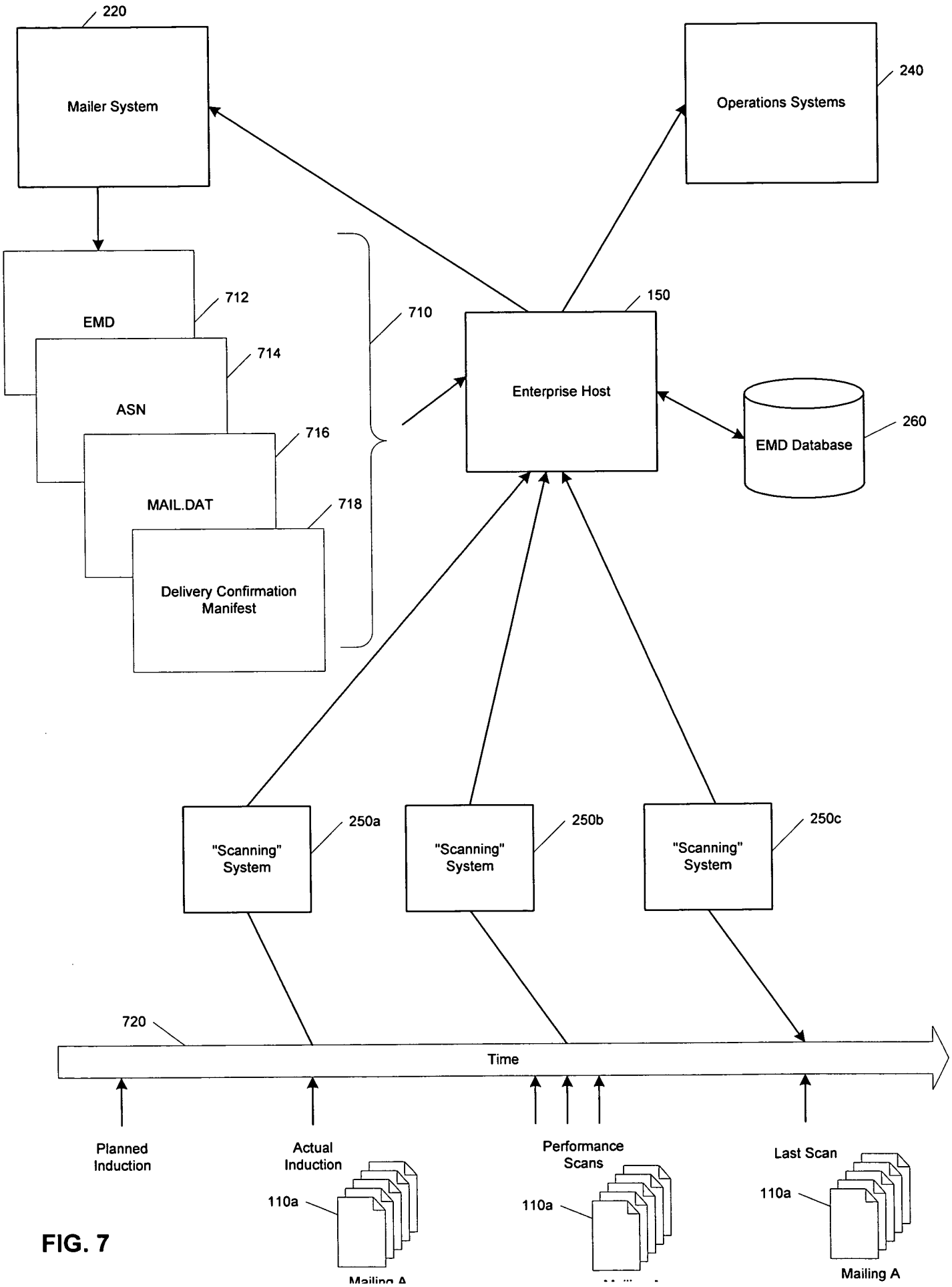
220
Mailer System
240
Operations Systems
EMD
712
710
ASN
714
716
MAIL.DAT
718
Delivery Confirmation Manifest
150
Enterprise Host
260
EMD Database
"Scanning" System
250a
"Scanning" System
250b
"Scanning" System
250c
720
Time
Planned Induction
Actual Induction
110a
Performance Scans
110a
Last Scan
110a
Mailing A

FIG. 7

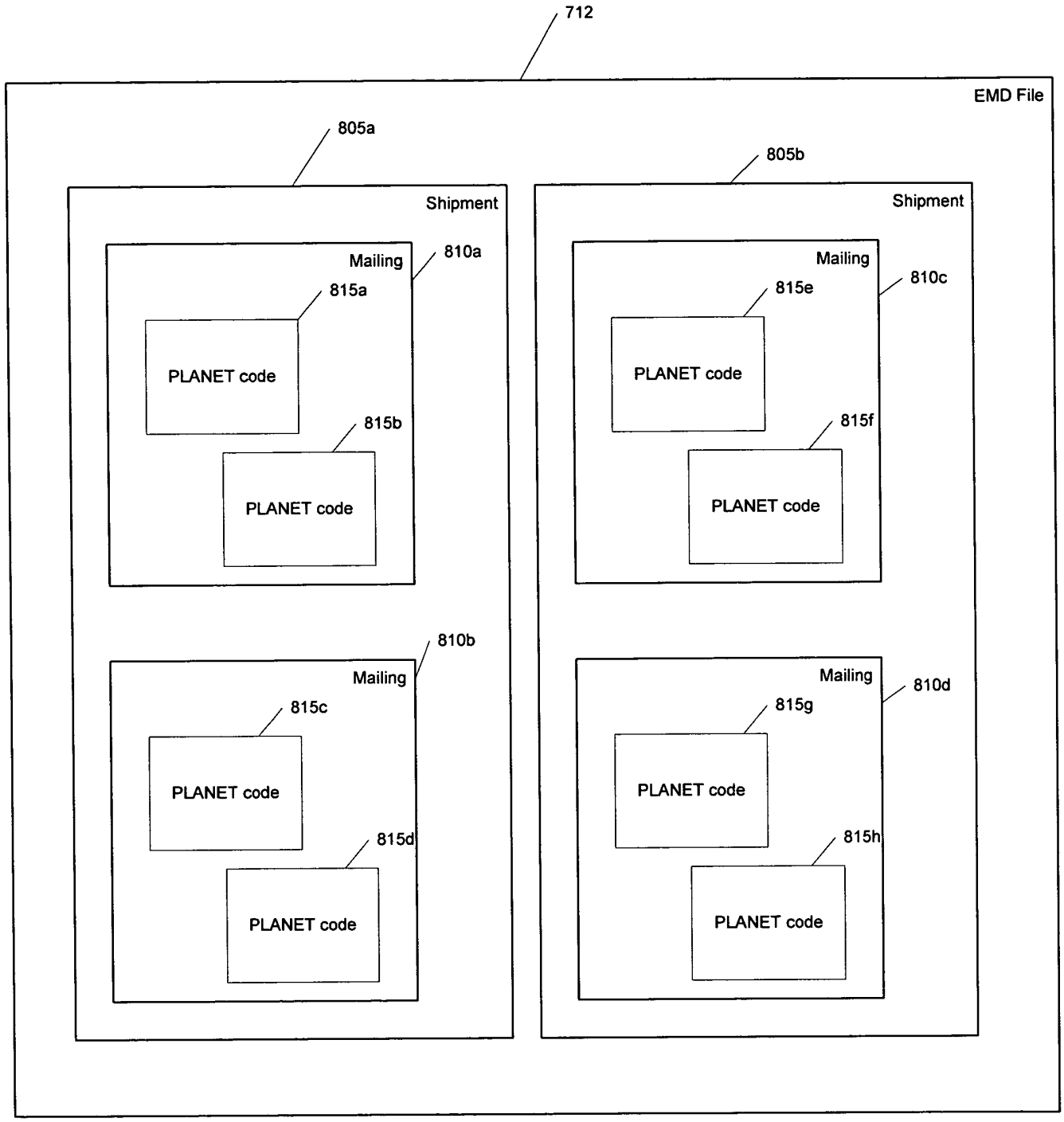
712
EMD File
805a
Shipment
Mailing
810a
815a
PLANET code
815b
PLANET code
Mailing
810b
815c
PLANET code
815d
PLANET code
805b
Shipment
Mailing
810c
815e
PLANET code
815f
PLANET code
Mailing
810d
815g
PLANET code
815h
PLANET code

FIG. 8

EMD: A 24-element comma-delimited flat file containing information on mailings, shipments and PLANET™ Codes.

EMD Elements:

Shipment

1. Shipment ID
2. Mailer's D-U-N-S® Number
3. Drop Location Facility ZIP Code
4. Drop Location Facility Type Code *
5. DSAS Appointment Number *
6. Transportation Owner's D-U-N-S® Number *
7. Drop Date
8. DSAS Appointment Time *

Mailing

9. Mail Owner's Job Number
10. Mailing Name
11. Mail Owner's D-U-N-S® Number *
12. Mailer's Job Number *
13. Mail Class Code *
14. Mail Type Code *
15. Presort Level *
16. In Home Delivery Start Date *
17. In Home Delivery End Date *
18. Permit Account Number *
19. Permit ZIP Code *
20. Piece Count of Mailing

Drop

21. Piece Count of Mailing on Shipment

PLANET™ Code

22. PLANET™ Code *
23. Number of Mail Pieces PLANET™ Coded *

Version

24. EMD Version

(*) Optional Data Elements

FIG. 9

Shipment ID Barcode Specifications

Digits	Data
2	Service Type Code ("UT")
9	D-U-N-S® Number
8	Sequential Shipment ID
1	Check Digit (MOD 10)

1010

Sample Shipment ID Barcode

1020

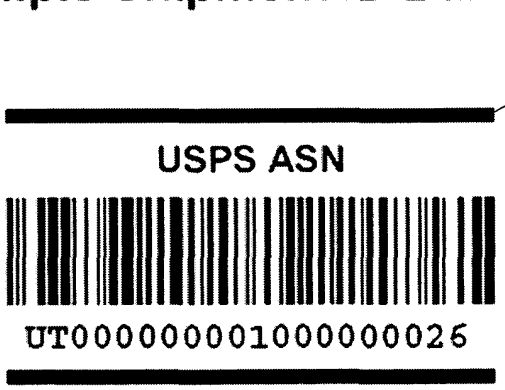

FIG. 10

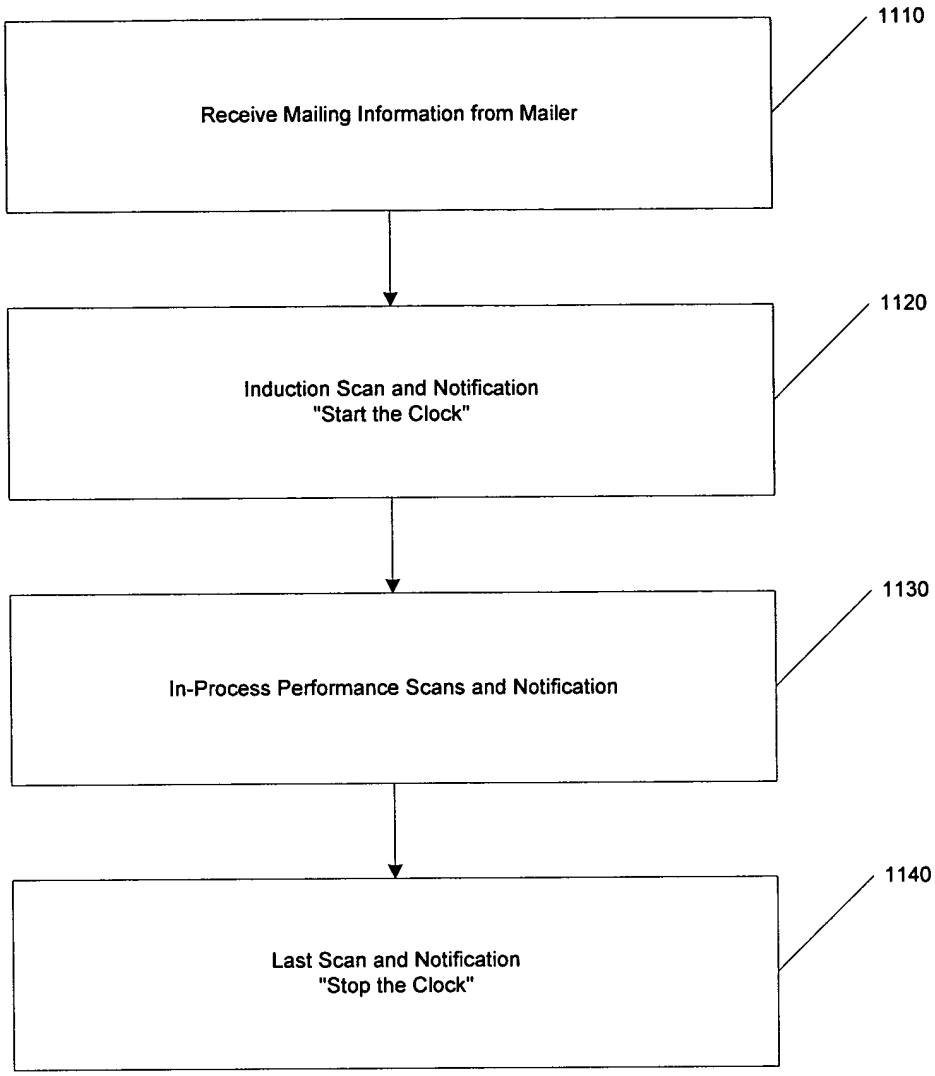
1110
Receive Mailing Information from Mailer
1120
Induction Scan and Notification
"Start the Clock"
1130
In-Process Performance Scans and Notification
1140
Last Scan and Notification
"Stop the Clock"

FIG. 11

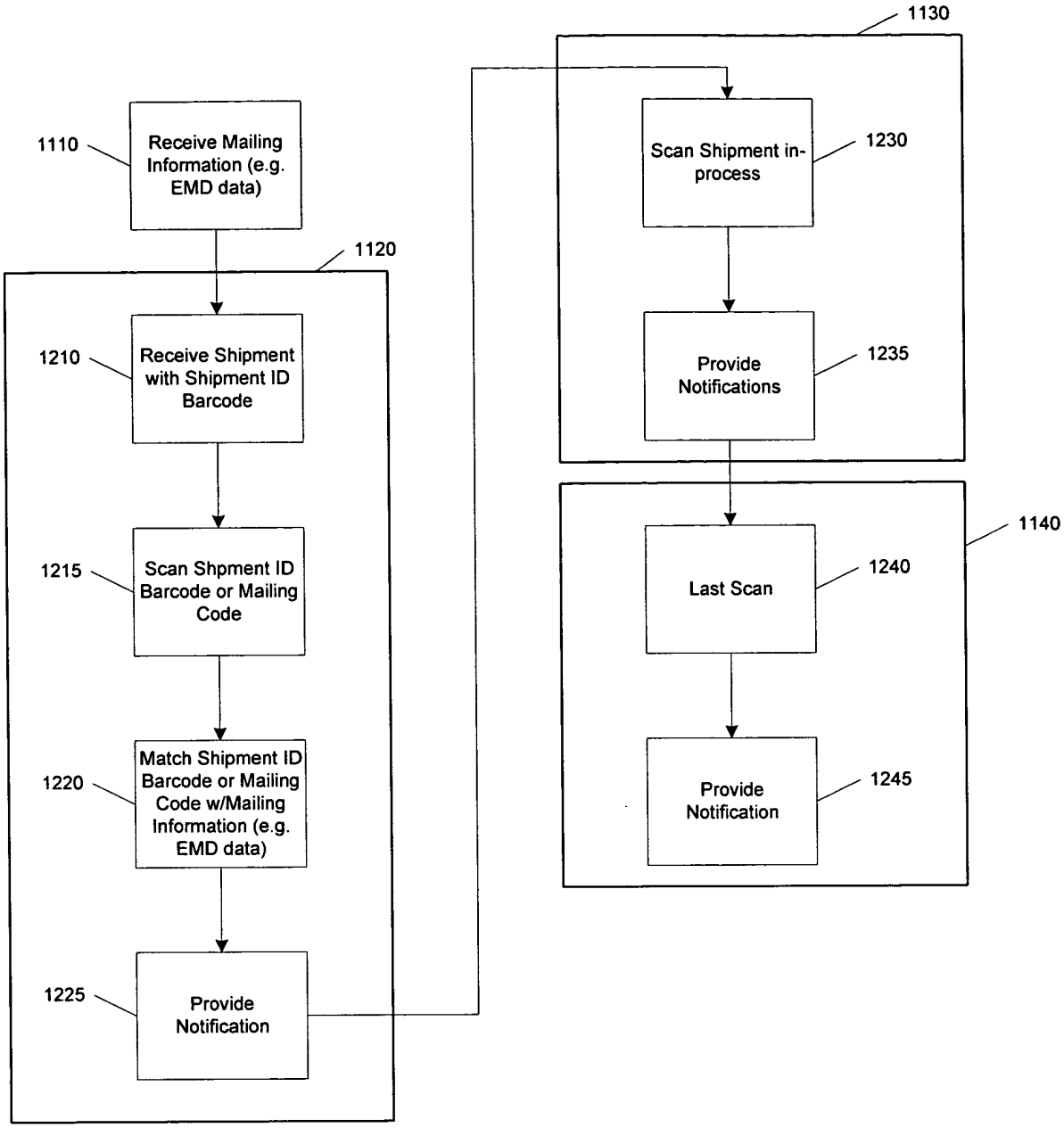
1110
Receive Mailing Information (e.g. EMD data)
1120
1210
Receive Shipment with Shipment ID Barcode
1215
Scan Shpment ID Barcode or Mailing Code
1220
Match Shipment ID Barcode or Mailing Code w/Mailing Information (e.g. EMD data)
1225
Provide Notification
1130
Scan Shipment in-process
1230
Provide Notifications
1235
1140
Last Scan
1240
Provide Notification
1245

FIG. 12

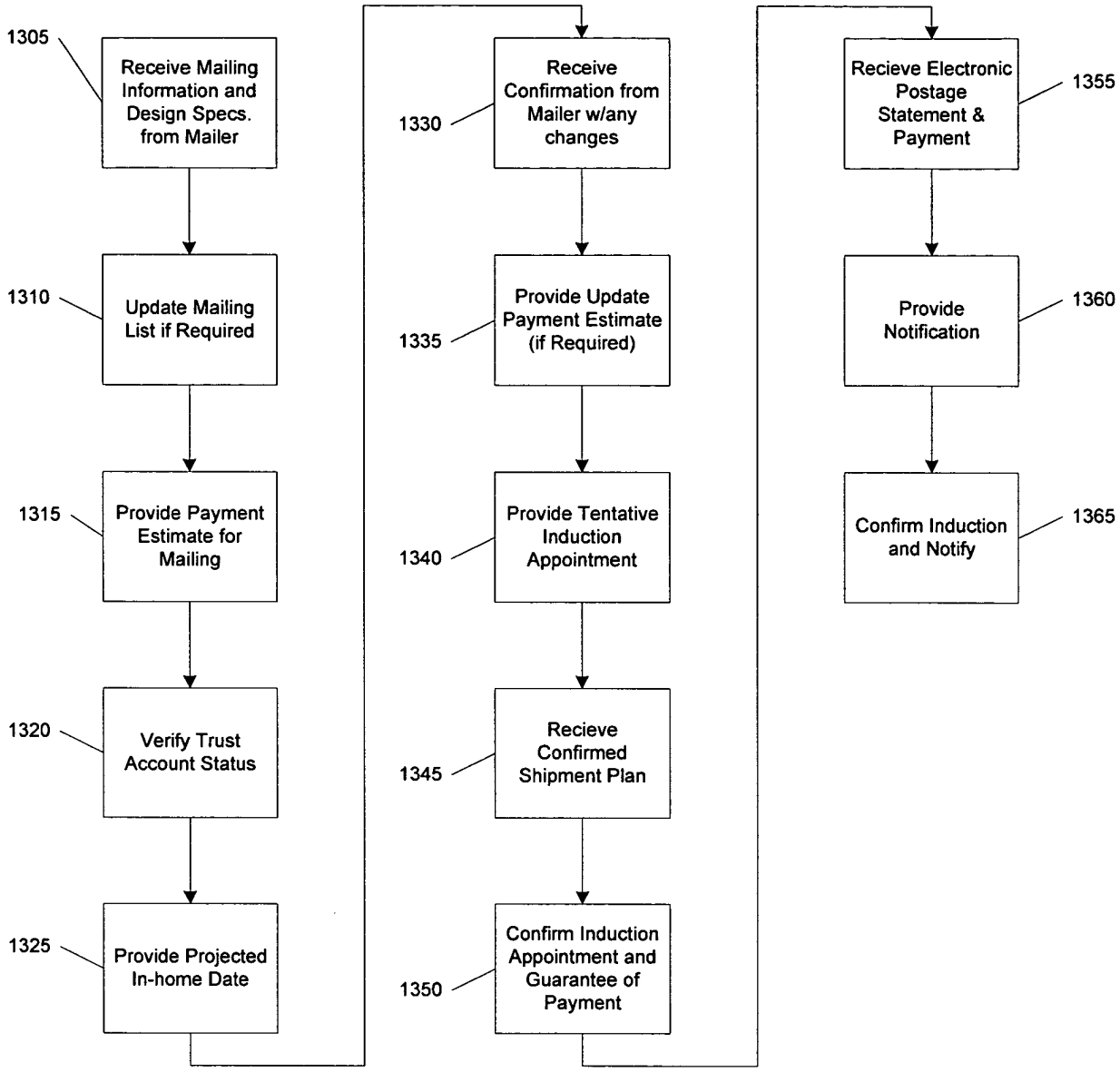
1305
Receive Mailing Information and Design Specs. from Mailer
1310
Update Mailing List if Required
1315
Provide Payment Estimate for Mailing
1320
Verify Trust Account Status
1325
Provide Projected In-home Date
1330
Receive Confirmation from Mailer w/any changes
1335
Provide Update Payment Estimate (if Required)
1340
Provide Tentative Induction Appointment
1345
Recieve Confirmed Shipment Plan
1350
Confirm Induction Appointment and Guarantee of Payment
Recieve Electronic Postage Statement & Payment
1355
Provide Notification
1360
Confirm Induction and Notify
1365

FIG. 13